

# FirstNet & Firefighting Tactics

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### **Fire Command Structure**



- Initial Company Officer
  - Strategic Decision Making
    - Experience
    - Known & Unknowns
  - Task Saturated
    - o 4 min response
  - Time Factor
    - Very influential to the process
  - Manages Strategic, Tactical and Task levels
  - Establishes the command framework



### **Fire Command Structure**

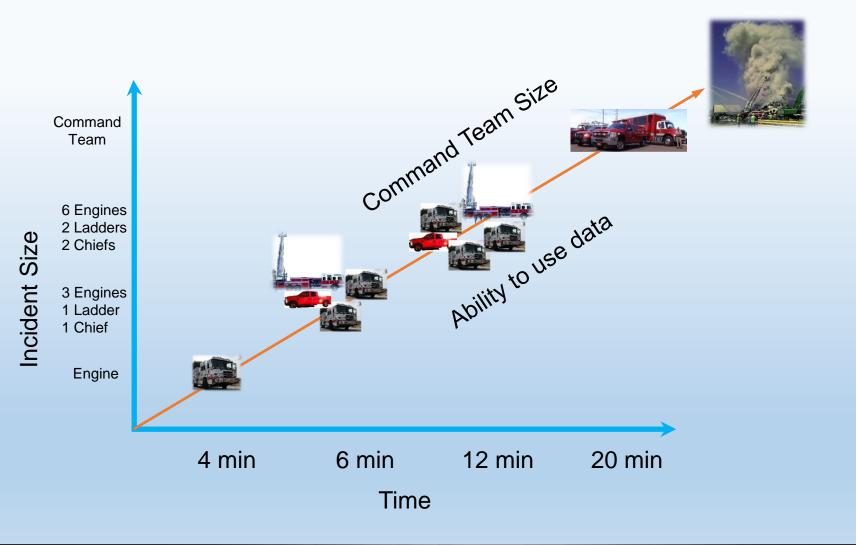


- First Arriving Chief Officer
  - Command focus
    - Wider view- Strategic & Tactical
  - Support Officer
    - Accountability
    - Safety
  - 1st Division of Labor separating Task Level from Tactical and Strategic functions
    - Reduces Span-of-Control for the initial Incident Commander.



## Command Team & Data Use



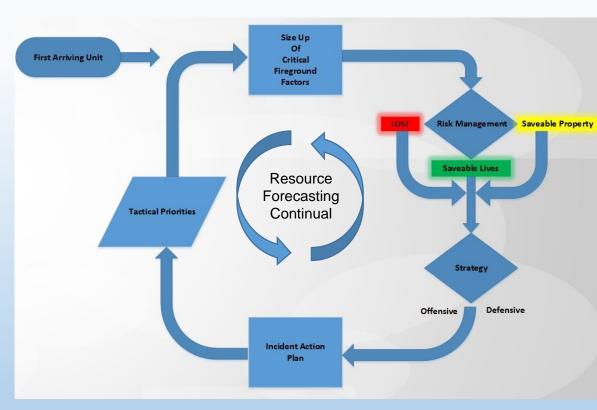


### Fire Tactics & FirstNet



# Where is the potential to change fireground tactics?

- Size-up
  - Critical Fireground Factors
- Identify the Risk Management Profile
- Strategy
- This process is done in a few seconds by observations, previous knowledge & reconnaissance.
- An Incident Action Plan is formulated and Tactical Priorities are identified.
- The assignments reflect the strategy and tactical priorities.



Strategic Decision Making Model

# **Critical Fireground Factors**



#### **Building**

- · Building Layout
- · Construction type, material
- · Ventilation Profile
- System Access
  - Fire Alarm
  - Ventilation
  - Security
  - Card Access (People)

#### **Actions**

- Effective/Non-effective
- · Additional actions
- Information
- Forecasting
- · Tactical Priorities
  - FC, AC, LS

#### Resources

- Manpower (number, condition, capabilities)
- Responding/Staged equipment/personnel
- Equipment
- · Water system, status
- · Fire protection systems

#### Fire

Visual Observations – Location, Size, Extent, Direction Smoke – Color, Pressure

- · Time of Activation
- · Sprinkler Activations = Water Flow,
- Order of Activations = Direction of Travel
- Smoke Detectors (Extent)
- Video

#### **Arrangement**

Fire Alarm

- Access
- Exposures
  - Value
  - Combustibility
- · Fire direction of travel
- Barriers

#### Occupancy

Type

- Business
- Residence
- Mufti-family, Manufacturing (Haz Mat)
- · People, Materials
- Fire load
- Value

#### **Special Circumstances**

- Day of week
- Day/night
- Holiday
- Season
- Weather

#### Life Hazard

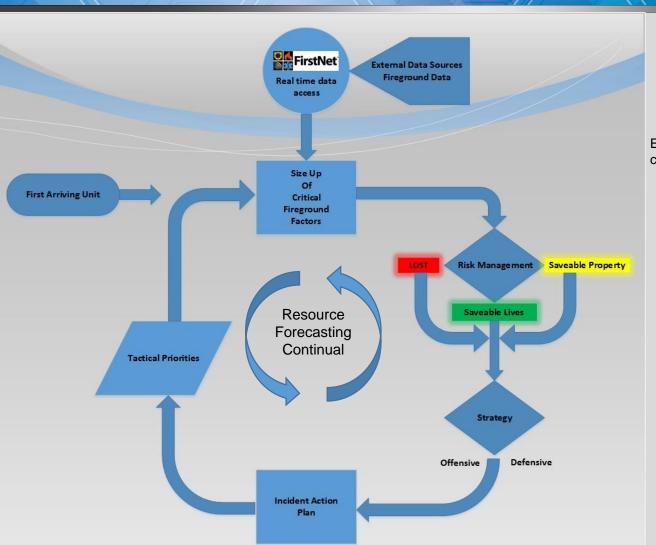
Occupants

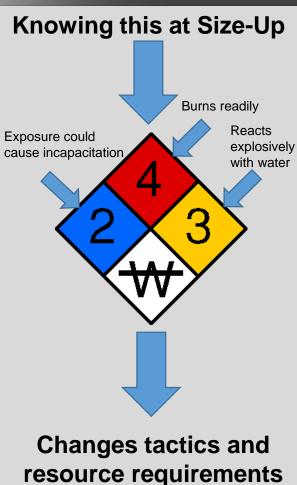
- Number
- Rescue or Self-extrication
- Resource requirements
  - EMS
  - Transport
- · Hazard to fire personnel

#### TIME

# Decision Making with FirstNet







### The Firefighter

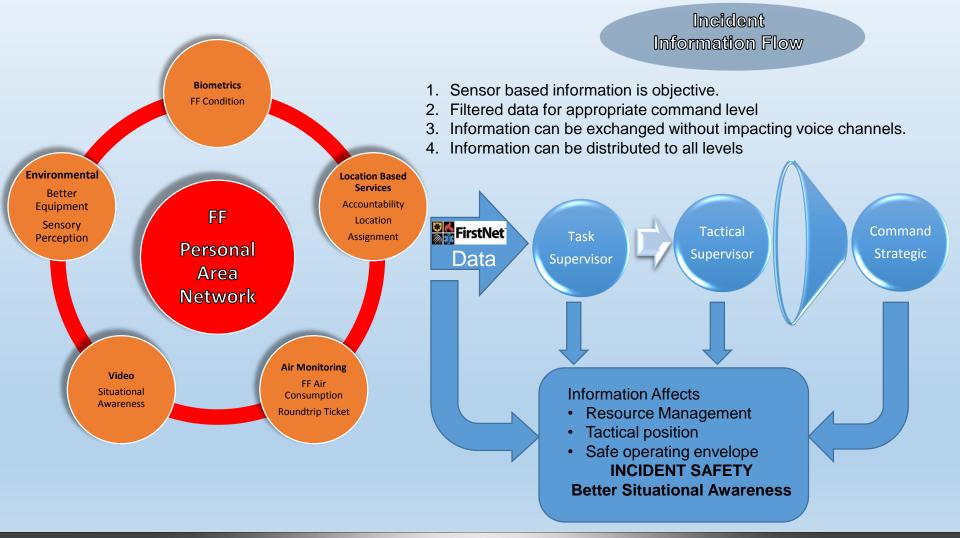


- Firefighters protective equipment
  - 500 degrees for 5 min
- Air Management
  - Approx 30 min work time.
- Fuel Changes
  - 1940s 2016
  - Fire Behavior
- Experience Level
- Training
- Accountability Systems
  - Manual
  - Computer Based



# Fireground Data & Tactics





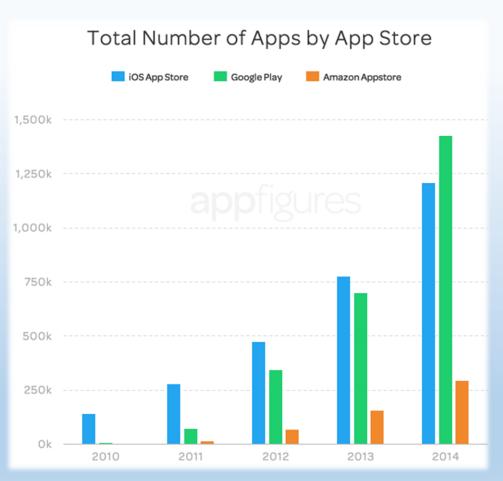
### Applications



The I-tunes app store opened in 2008 with approximately 500 apps, today it has over 1.5 million applications.

In the first year the number of applications grew from 500 to 60,000

The public safety appetite for safety and technology improvements will drive the development of applications in the future.



http://blog.appfigures.com/app-stores-growth-accelerates-in-2014/

### Questions





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